

RECEIVED

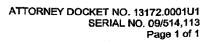
AUG 2 9 2002,

ATTORNEY DOCKET NO. 13172.0009U2 SERIAL NO. 10/143,517 Page 1 of 1

TECH CENTER 1600/2900

ATTORNEY DOCKET NO.: 13172.0001U1 SERIAL NO. 09/514,113 Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) APPLICANT: Dean et al. PATENT AND TRADEMARK OFFICE LIST OF INFORMATION CITED BY APPLICANT (Use several sheets if necessary) FILING DATE: February 28, 2000 **GROUP: 1655** U.S. PATENT DOCUMENTS **DOCUMENT** CLASS **SUBCLASS EXAMINER** DATE NAME INITIALS NO. APPROPRIATE The Perkin-Elmer Corporation WO 98/14610 04/09/98 EP 0866071A2 09/23/98 F. Hoffmann-LA Roche AG DATE CONSIDERED: 8-2003 **EXAMINER:** EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

> COPY OF PAPERS ORIGINALLY FILED





Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) PATENT AND TRADEMARK OFFICE

LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)

SERIAL NO. 09/514,113 ATTORNEY DOCKET NO.: 13172.0001U1 **CONFIRMATION NO. 9257**

APPLICANT: Dean et al.

FILING DATE: February 28, 2000 GROUP: 1634

				FILING DATE: February 28, 2000	GROUP: 1	GROUP: 1634				
	U.S. PAICENT DOCUMENTS WELL									
EXAMINER INITIALS	·	DOCUMENT NO.	DATE	NAME	CLAS S	SUBCLASS	FILING DATE IF APPROPRIATE			
Box	C1	5,854,033	Dec. 29, 1998	Lizardi	· · · · · · · · · · · · · · · · · · ·					
	C2	6,124,120	Sep. 26, 2000	Lizardi	Managemen soos	and the desire and the second of				
	СЗ	6,143,495	Nov. 7, 2000	Lizardi et al.	ne distancemento desc	Management of the state of the				
	C4	6,183,960	Feb. 6, 2001	Lizardi		poderne e e e e e e e e e e e e e e e e e e				
	C 5	6,210,884	Apr. 3, 2001	Lizardi		Production of the second of th				
	C6	6,280,949	Aug. 28, 2001	Lizardi						
	C7	6,329,150	Dec. 11, 2001	Lizardi et al.	e de la companie de la compa	· ·				
BER	C8 .	6,344,329	Feb. 5, 2002	Lizardi		majagari in				
		12.74 3		akialanika jana making making 1.						
·	Market Ma	The state of the s								
		14 / 8	4 2: 27: (0) = (A: 20)	ncluding Author, Dues Detes Reginence	anis Eres		i i i i i i i i i i i i i i i i i i i			
							/FD			
						RECEN				
						OCT 0 2	2002			
	And the state of t	TECH CENTER 1600/2900								
EXAMINER:	B. 7	· Listo	n	DATE CONSIDERED: 2 - 8 ·						
EXAMINER: I				citation is in conformance with MPEP 609; I with n xt communication to applicant.			not in			

OIPE IN 1 6 ZODS

ATTORNEY DOCKET NO. 13172.0001U1 APPLICATION NO. 09/514,113 SHEET 1 OF 1

Application Number 09/514,113 February 28, 2000 Frank B. Dean Group Art Unit Group Art Unit Frank B. Dean Group Art Unit Grou	= 40				1	antonio is is						
Filing Date February 28, 2000			IT OF COLUMNOOF	Complete if Known								
First Named Inventor Frank B. Dean Group Art Unit 1634 Group Art Unit 1634 Examiner's Name Bradley L. Sisson												
Group Art Unit	PAIENIA	או טאו	ADEMARK OFFICE									
Group Art Unit 1634 Examiner's Name Bradley L. Sisson	LIST OF	INFOR	MATION CITED BY A									
U.S. PATENT DOCUMENTS Name Class Subclass Filing Date Pate Name Class Subclass Filing Date Pate P	2.0.0			Group Art Unit	1634	1634						
Description		Ť		Examiner Name	Brad	Bradley L. Sisson						
Description			Ū.	S. PATENT D	OCUMENTS							
D1 5,866,336 02/02/99 Nazarenko et al.	Examiner's	Cite				Class	Subclass					
D2	Initials			00/00/00				(if appropriate				
D3	BAK							ļ				
D4 6,033,881 03/07/00 Himmler et al.												
D5 6,096,890 08/01/00 Kool et al. D6 6,117,635 09/12/00 Nazarenko et al. D7 6,221,603 B1 04/24/01 Mahtani et al. D7 6,221,603 B1 04/24/01 Mahtani et al. D8 6,255,082 B1 07/03/01 Lizardi et al. D9 6,291,187 B1 09/18/01 Kingsmore et al. D10 6,323,009 B1 11/27/01 Lasken et al. FOREIGN PATENT DOCUMENTS Coming Patent Document County Code Number-Vind Code Of the City of New York, Inc. D11 EP 0 745 690 A2 12/04/96 The Public Health Research Institute of the City of New York, Inc. D12 WO 00/71562 A1 11/30/00 The Public Health Research Institute of the City of New York, Inc. D13 WO 97/19193 05/29/97 Yale University D14 WO 99/31276 06/24/99 Nexstar Pharmaceuticals, Inc. NON-PATENT DOCUMENTS Examiner's No. NON-PATENT DOCUMENTS Non-Patent Citations (include Author, Tite, Publicher, Pleavent Pages, Date and Place of Publication) Nucleic Acids Research, Oxford University Press, Surrey, 26(22):5073-5078 (1998), XP002112357 D16 Gusev et al. Rolling Circle Amplification: A New Approach to Increase Sensitivity for Immunohistochemistry and Flow Cytometry, American Journal of Pathology, 159(1): 63-69 (July 2001) D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. in Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: **The County Amplification on to notormance with MPEP 609; Draw line through citation if	-						 -	ļ				
D6 6,117,635 09/12/00 Nazarenko et al. D7 6,221,603 B1 04/24/01 Mahtani et al. D8 6,255,082 B1 07/03/01 Lizardi et al. D9 6,291,187 B1 09/18/01 Kingsmore et al. D9 6,291,187 B1 09/18/01 Lasken et al. FOREIGN PATENT DOCUMENTS Examinar's Cile Foreign Patent Document Date of the City of New York, Inc. D11 EP 0.745 690 A2 12/04/96 The Public Health Research Institute of the City of New York, Inc. D12 WO 00/71562 A1 11/30/00 The Public Health Research Institute of the City of New York, Inc. D13 WO 97/19193 05/29/97 Yale University D14 WO 99/31276 06/24/99 Nexstar Pharmaceuticals, Inc. NON-PATENT DOCUMENTS Examinar's Cile Non-Patent Citations (Include Author, Tite, Publisher, Relevant Pages, Date and Place of Publication, Nucleic Acids Research, Oxford University Press, Surrey, 26(22):5073-5078 (1998), XP002112357 D16 Gusev et al. Rolling Circle Amplification: A New Approach to Increase Sensitivity for Immunohistochemistry and Flow Cytometry, American Journal of Pathology, 159(1): 63-69 (July 2001) D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. in Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York A4(3(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PMAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: **The Control of the City of th												
D7 6,221,603 B1 04/24/01 Mahtani et al. D8 6,291,197 B1 09/18/01 Kingsmore et al. D9 6,291,197 B1 09/18/01 Kingsmore et al. D10 6,323,009 B1 11/27/01 Lasken et al. FOREIGN PATENT DOCUMENTS Examiner's No. D11 EP 0 745 690 A2 12/04/96 The Public Health Research Institute of the City of New York, Inc. D12 WO 00/71562 A1 11/30/00 The Public Health Research Institute of the City of New York, Inc. D13 WO 97/19193 05/29/97 Yale University D14 WO 99/31276 06/22/99 Nexstar Pharmaceuticals, Inc. NON-PATENT DOCUMENTS Examiner's No. D15 Baner et al. Signal Amplification of Padlock Probes by Rolling Circle Replication, Nucleic Acids Research, Oxford University Press, Surrey, 26(22):5073-5078 (1998), XP002112357 D16 Gusev et al. Rolling Circle Amplification: A New Approach to Increase Sensitivity for Immunohistochemistry and Flow Cytometry, American Journal of Pathology, 159(1): 63-89 (July 2001) D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. in Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ulfrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: **The Communication Conformance with MPEP 609; Draw line through citation if	_					_==		 _				
D8 6,255,082 B1 07/03/01 Lizardi et al.												
D9 6,291,187 B1 09/18/01 Kingsmore et al.												
D10 6,323,009 B1 11/27/01 Lasken et al.							===					
FOREIGN PATENT DOCUMENTS Stammer's Cite Foreign Patent Document Date Name Translation Vesi/No			+_ 			,						
Date Name Translation	BAX	D10				,	<u> </u>	<u> </u>				
D11 EP 0 745 690 A2 12/04/96 The Public Health Research Institute of the City of New York, Inc.			FORI	EIGN PATEN	r documents							
of the City of New York, Inc. D12 WO 00/71562 A1 11/30/00 The Public Health Research Institute of the City of New York, Inc. D13 WO 97/19193 05/29/97 Yale University D14 WO 99/31276 06/24/99 Nexstar Pharmaceuticals, Inc. NON-PATENT DOCUMENTS Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Piace of Publication) Baner et al. Signal Amplification of Padlock Probes by Rolling Circle Replication, Nucleic Acids Research, Oxford University Press, Surrey, 26(22):5073-5078 (1998), XP002112357 D16 Gusev et al. Rolling Circle Amplification: A New Approach to Increase Sensitivity for Immunohistochemistry and Flow Cytometry, American Journal of Pathology, 159(1): 63-69 (July 2001) D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. In Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (Merch 1996), XP000196024 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if	Examiner's Initials				. Name)						
D12 WO 00/71562 A1 11/30/00 The Public Health Research Institute of the City of New York, Inc. D13 WO 97/19193 05/29/97 Yale University D14 WO 99/31276 06/24/99 Nexstar Pharmaceuticals, Inc. NON-PATENT DOCUMENTS Non-Patent Citations (Include Author, Title, Publisher, Relevant Pages, Date and Place of Publication) Baner et al. Signal Amplification of Padlock Probes by Rolling Circle Replication, Nucleic Acids Research, Oxford University Press, Surrey, 26(22):5073-5078 (1998), XP002112357 D16 Gusev et al. Rolling Circle Amplification: A New Approach to Increase Sensitivity for Immunohistochemistry and Flow Cytometry, American Journal of Pathology, 159(1): 63-69 (July 2001) D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. in Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (Merch 1996), XP000196024 Examiner Signature: Page Considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if	Zyl	D11	EP 0 745 690 A2	12/04/96								
D13 WO 97/19193 05/29/97 Yale University D14 WO 99/31276 06/24/99 Nexstar Pharmaceuticals, Inc. NON-PATENT DOCUMENTS Non-Patent Citations (Include Author, Title, Publisher, Relevant Pages, Date and Place of Publication) Initials No. D15 Baner et al. Signal Amplification of Padlock Probes by Rolling Circle Replication, Nucleic Acids Research, Oxford University Press, Surrey, 26(22):5073-5078 (1998), XP002112357 D16 Gusev et al. Rolling Circle Amplification: A New Approach to Increase Sensitivity for Immunohistochemistry and Flow Cytometry, American Journal of Pathology, 159(1): 63-69 (July 2001) D17 Lizardi et al. Multation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. In Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: Examiner Signature: Date Considered: Date Con	1	D12	WO 00/71562 A1	11/30/00	The Public Health Re	search	Institute					
NON-PATENT DOCUMENTS Non-Patent Citations (include Author, Tite, Publisher, Relevant Pages, Date and Place of Publication) Baner et al. Signal Amplification of Padlock Probes by Rolling Circle Replication, Nucleic Acids Research, Oxford University Press, Surrey, 26(22):5073-5078 (1998), XP002112357 D16 Gusev et al. Rolling Circle Amplification: A New Approach to Increase Sensitivity for Immunohistochemistry and Flow Cytometry, American Journal of Pathology, 159(1): 63-69 (July 2001) D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. in Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: Tyber Date Considered: Tyber Date Considered Tyber		D42	MO 07/10102	05/20/07								
NON-PATENT DOCUMENTS Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)	7/1					cale Inc		 -				
Non-Patent Citations (Include Author, Title, Publisher, Relevant Pages, Date and Place of Publication) D15	074	D14				Cars, Inc	<u> </u>	L				
D15 Baner et al. Signal Amplification of Padlock Probes by Rolling Circle Replication, Nucleic Acids Research, Oxford University Press, Surrey, 26(22):5073-5078 (1998), XP002112357 D16 Gusev et al. Rolling Circle Amplification: A New Approach to Increase Sensitivity for Immunohistochemistry and Flow Cytometry, American Journal of Pathology, 159(1): 63-69 (July 2001) D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. In Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) D22 Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature:	Cuntainada	Cito				Code and Ote	as of Phyllipsian					
Nucleic Acids Research, Oxford University Press, Surrey, 26(22):5073-5078 (1998), XP002112357 D16 Gusev et al. Rolling Circle Amplfication: A New Approach to Increase Sensitivity for Immunohistochemistry and Flow Cytometry, American Journal of Pathology, 159(1): 63-69 (July 2001) D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. In Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: Fy July Date Considered: 2 F July Date Considered: 2 F July Date Considered: 3 F July Date	Initials		Non-ratent	Stranous fuorna vo	mor, Tise, Poolistici, Nelevant Pages.	Date and Fig	ica oi Lanicaiori	,				
Nucleic Acids Research, Oxford University Press, Surrey, 26(22):5073-5078 (1998), XP002112357 D16 Gusev et al. Rolling Circle Amplfication: A New Approach to Increase Sensitivity for Immunohistochemistry and Flow Cytometry, American Journal of Pathology, 159(1): 63-69 (July 2001) D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. In Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: Fy Fully Date Considered: 2 Fully Date Considered: 3 Fully Date C	 	D15	Baner et al. Signal Ar	molification of	Padlock Probes by Rol	ling Circ	le Reolica	tion.				
D16 Gusev et al. Rolling Circle Amplfiication: A New Approach to Increase Sensitivity for Immunohistochemistry and Flow Cytometry, American Journal of Pathology, 159(1): 63-69 (July 2001) D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. in Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: Date Considered: P. P. 2003 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if	2.1	10.0										
D16 Gusev et al. Rolling Circle Amplfiication: A New Approach to Increase Sensitivity for Immunohistochemistry and Flow Cytometry, American Journal of Pathology, 159(1): 63-69 (July 2001) D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. In Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: Tyles of the Considered: Tyles of the Considered: Tyles of the Considered: Tyles of the Considered: Tyles of the Considered o	BIL		I									
Immunohistochemistry and Flow Cytometry, American Journal of Pathology, 159(1): 63-69 (July 2001) D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. in Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) D22 Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: P. J. John Date Considered: P. J. J. John Date Considered: P. J. J. John Date Considered: P. J.	100	D16										
D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. in Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) D22 Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By Summary Date Considered: 7 Summary Linitial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if		5.0										
D17 Lizardi et al. Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. in Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By Summary Date Considered: 7 Summary Linitial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if	1	}		, ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
Rolling-Circle Amplification, Nature Genetics, 19:225-232 (1998) D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. In Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) D22 Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By James Date Considered: 7 P. 2003 Date Considered: 7 P. 2003 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if		D17		Detection an	d Single-Molecule Coul	ntina Us	ing Isothe	rmal				
D18 Mullenix et al. Allergen-specific IgE Detection on Microarrays Using Rolling Circle Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. In Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By James Date Considered: 7 P. 2003 Date Considered: 7 P. 2003	1											
Amplification: Correlation with in Vitro Assays for Serum IgE, Clinical Chemistry, 47(10):1926-1929 (2001) D19 Nuovo, et al. In Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By James Date Considered: 7 Sygon Date Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if		D18					a Rolling	Circle				
D19 Nuovo, et al. In Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By James Date Considered: 7 F. 2003 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if	1											
D19 Nuovo, et al. In Situ Amplification Using Universal Energy Transfer-labeled Primers, The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By James Date Considered: 7 P. 2003 Date Considered: 7 P. 2003		l				•		•				
The Journal of Histochemistry & Cytochemistry, The Histochemical Society, Inc., New York, New York 43(3):273-279 (1999), XP008002684 D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By James Date Considered: 7 8 2003 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if		D19			Jsing Universal Energy	Transfe	r-labeled f	Primers,				
York, New York 43(3):273-279 (1999), XP008002684	. 1		The Journal of History	hemistry & Cy	tochemistry, The Histo	chemica	al Society,	Inc., New				
D20 Schweitzer et al. Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By James Date Considered: 7 F 2003 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if	1		York, New York 43(3)):273-279 (199	99), XP008002684		_					
Platform for Ultrasensitive Antigen Detection, PNAS, 97(18):10113-10119 (August 29, 2000) D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By James Date Considered: 7 F 2003 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if		D20	Schweitzer et al. Imm	nunoassays w	ith Rolling Circle DNA	Amplifica	ation: A Ve	ersatile				
D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By John Date Considered: 7 F 2003 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if	- 1											
D21 Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle Amplification, Nature Biotechnology, 20:359-365 (April 2002) Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By John Date Considered: 7 F 2003 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if	1		1 "									
D22 Tyagia et al. Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By Sumble Date Considered: 7 8 2003 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if		D21	Schweitzer et al. Multiplexed Protein Profiling on Microarrays by Rolling-Circle									
Biotechnology, 14:303-308 (March 1996), XP000196024 Examiner Signature: By Sum Date Considered: 7 8 2003 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if		D22					ridization	Nature				
Examiner Signature: By Sulf Date Considered: 7.8.2003 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if	ZF!	DEL										
XAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if		Zianot:				2. F	2463					
EACHUM VER. Initial in reference considered, whether of not clausing in conformatics with MPCP dust, Draw line through clauson in								nh citation if				
int in contaminates and not considered - incline convolinis torm with next carbinalingsion to admicalit	not in conform	z. milidi nance arc	n releterice considered, WN81 I not considered - Include cor	user of Hot Grador	na ar communication to ann	icant	24 1111 3 111100	ALL CARROLL II				